

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 80-52

NPDES PERMIT NO. CA0028550

WASTE DISCHARGE REQUIREMENTS FOR:

SYAR INDUSTRIES, INC.
SAND RECLAMATION FACILITY
VALLEJO, SOLANO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. Syar Industries, Inc., hereinafter called the discharger, submitted a Report of Waste Discharge (NPDES Short Form C) dated July 31, 1980.
2. The discharger proposes to remove about 572,000 cubic yards of sand per year by hydraulic dredge from the Sacramento River east of the Benicia-Martinez Bridge. The material will be transported in barges to a site in Vallejo adjacent to Mare Island Strait where it will be pumped to two 40,000 square foot sedimentation ponds. Decant water will be discharged at a maximum rate of 0.9 mgd to Mare Island Strait.
3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975.
4. The beneficial uses of Carquinez Strait and contiguous waters, as identified in the Basin Plan, are:
 - a. Recreation (contact and non-contact).
 - b. Fish migration and spawning.
 - c. Habitat for wildlife and estuarine organisms including some rare and endangered species.
 - d. Industrial water supply.
 - e. Esthetic enjoyment.
 - f. Navigation.
 - g. Commercial and sport fishing.
5. The Redevelopment Agency of the City of Vallejo in its letter of 31 July 1980 has found that "Pursuant to Guidelines for Implementation of the California Environmental Quality Act of 1970, as amended, as those Guidelines appear in the California Administrative Code, Title 14, Division 6, the proposed operation is categorically exempt under Section 15104, Class 4: Minor Alterations to Land."

6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
7. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Syar Industries, Inc., in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Prohibitions

1. The bypass of treatment facilities and discharge of untreated waste to waters of the state is prohibited.
2. The erosion of sand, silt or clay into Mare Island Strait is prohibited.
3. The discharge of wastewater shall not cause bottom sediment deposits in Mare Island Strait.
4. The disposal of dredge spoil outside the retention ponds shown in Attachment A is prohibited.

B. Effluent Limitations

1. Representative samples of the waste discharge shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Maximum</u>
Settleable Matter	ml/l/hr	1.0

2. The waste discharge shall not have a pH of less than 6.5 nor greater than 8.5.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature or apparent color beyond present natural background levels;

- d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

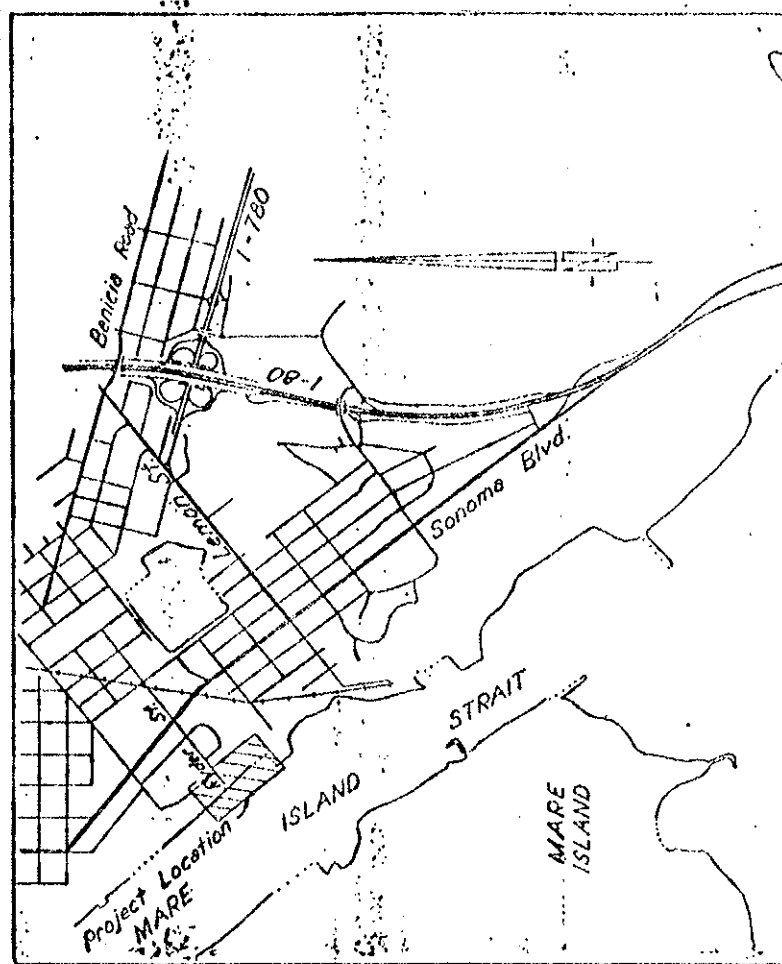
- 1. The discharger shall comply with all effluent and receiving water limitations, prohibitions, and provisions of this Order immediately upon adoption.
- 2. The discharger shall comply with the **Self-Monitoring and Reporting Program** as ordered by the Executive Officer.
- 3. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements," dated April 1977, except A.5, A.12, A.16, B.2, B.3, and B.5.
- 4. This Order expires November 4, 1985. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
- 5. This Order shall apply to any parties conducting dredging operations on this project or to any subsequent owner of the site.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on November 4, 1980.

FRED H. DIERKER
Executive Officer

Attachments:

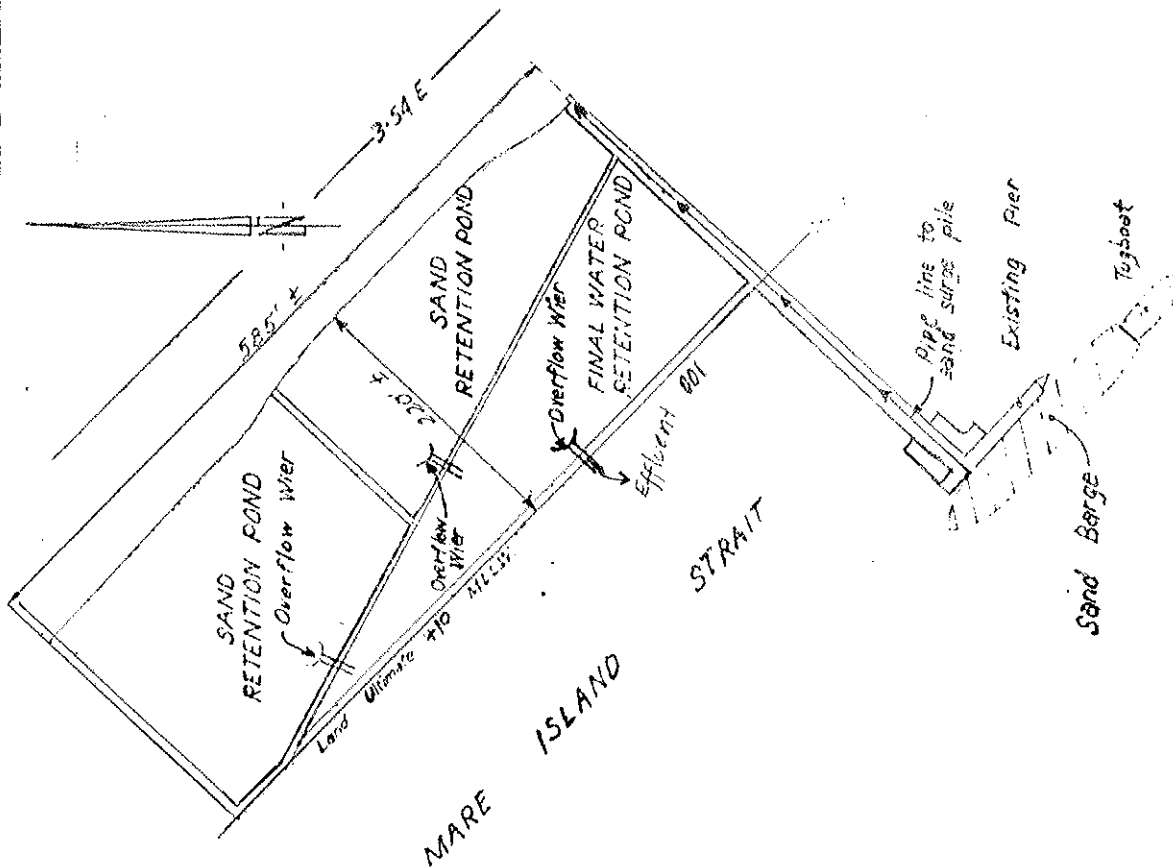
Standard Provisions, Reporting Requirements & Definitions, dated April 1977
Self-Monitoring Program



SAND RETENTION PONDS AND
DISCHARGE LOCATION VICINITY MAP

SAND RECLAMATION OPER.
SYAR INDUSTRIES, INC.

JULY 31, 1980
SHEET # 1



SAND RETENTION PONDS
SCALE: 1" = 100'
SAND RECLAMATION OPERATION
SYAR INDUSTRIES, INC.

JULY 31, 1980
SHEET # 3

ATTACHMENT A

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SYAR INDUSTRIES, INC.
SAND RECLAMATION OPERATION
VALLEJO, CONTRA COSTA CO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Syar Industries, Inc.

Sand Reclamation Facility

Martinez, Contra Costa County

NPDES NO. CA 0028550

ORDER NO. 80-52

CONSISTS OF

PART A

AND

PART B

PART B

A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board,
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge,
3. To develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and
4. To prepare water and wastewater quality inventories.

B. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

I. Effluent - Hydraulic Dredging Operation

<u>Station</u>	<u>Description</u>
E-001	The wastewater at the weir prior to discharge through the pipeline from the final retention pond to Mare Island Strait.

<u>Station</u>	<u>Type of Sample and Frequency</u>	<u>Analyses</u>	<u>Units</u>
E-001	Grab Sample during the first and last hour of operation each day, daily when discharging	Settleable Matter pH	ml/l-hr units

II. Receiving Water

<u>Station</u>	<u>Description</u>
C-1-E-001	At a point located within 20 feet and under the influence of the discharge from the retention pond pipeline.
C-R-E-001	At a point located 100 feet east and out of the influence of the discharge from the retention pond pipeline.

- (b) Accidents caused by human error or negligence, or
- (c) Other causes, such as acts of nature.

The discharger shall notify the Regional Board Office by telephone as soon as he or his agents have knowledge of the incident and confirms this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the noncompliance and shall indicate what steps were taken to prevent the problem from recurring.

3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter (unless specified otherwise) by the fifteenth day of the following month. The report shall be in letter form and shall specifically cover each point in the Monitoring Program (Part B). Any violations shall be clearly identified, and actions taken or planned for correcting violations shall be included. Monitoring reports shall be signed:

- (a) In the case of corporations, by a principal Executive Officer at least at the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates, or
- (b) In the case of a partnership, by a general partner, or
- (c) In the case of a sole proprietorship, by the proprietor.

The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

- 1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 80-52.
- 2. Is effective on the date shown below.
- 3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Effective Date 11/7/80

<u>Station</u>	<u>Type of Sample & Frequency</u>	<u>Observations</u>
All C Stations	Prior to and at the conclusion of each period of discharge	All standard observations as follows:
a.	Evidence of oil, grease or foam: presence or absence, source, and size of affected area.	
b.	Discoloration: description of color, source, and size of affected area.	
c.	Bottom sediment deposits resulting from discharge: average depth of deposit, characterization, and size of affected area.	

III. Land Observations at Sand Wastewater Retention Ponds

<u>Station</u>	<u>Description</u>
L-1 thru L-'n'	Located along the perimeter levee of the land impoundment facility at equidistant intervals not to exceed 300 feet. (A sketch showing the location of these station will accompany each report.)

<u>Type of Sample and Frequency</u>	<u>Observation and Analyses</u>
Observations, twice weekly, during periods of discharge	All standard observations as follows:
(1)	Determine height of the freeboard at lowest point of dikes confining liquid wastes.
(2)	Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch.)
(3)	Evidence of low points in dike resulting in overflow of water other than described in Report of Waste Discharge. Low points shall be filled immediately with appropriate fill material.

C. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Report by telephone the scheduled date of commencement of each sand unloading operation at least five working days prior to commencement date.

2. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) Maintenance work, power failure, or breakdown of waste treatment equipment, or